

# METHOD FOR INCREASING THERMAL PRINT QUALITY

## Abstract

A printing method for printing a pixel at a gray level  $x$  on paper by a printer. The printer includes a thermal print head, which includes a heater for heating a ribbon to print pixels from gray levels 1 to  $m-1$  on the paper, and the ribbon. The method includes: if  $x$  is not greater than a value  $n$ , heating the ribbon  $x$  times and evenly distributing the heating initiation times of the  $x$  times between the time point 0 and the time point  $(m*(x-1)/n)$  for printing the pixel at gray level  $x$  on the paper. If  $x$  is greater than the value  $n$ , heating the ribbon  $x$  times and evenly distributing the heating initiation time of the  $n$  times between the time point 0 and the time point  $(m*(n-1)/n)$  and distributing the heating initiation times of the  $x-n$  times after the heating initiation time points of the  $n$  times.